

o STN International! Enter x:x

LOGINID:sssptaul22ebb

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 18:21:27 ON 20 MAY 2002  
FILE 'REGISTRY' ENTERED AT 18:21:27 ON 20 MAY 2002  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	141.04	285.07

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	141.42	285.45

FILE 'REGISTRY' ENTERED AT 18:22:02 ON 20 MAY 2002  
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STRUCTURE FILE UPDATES: 18 MAY 2002 HIGHEST RN 418253-06-2  
DICTIONARY FILE UPDATES: 18 MAY 2002 HIGHEST RN 418253-06-2

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

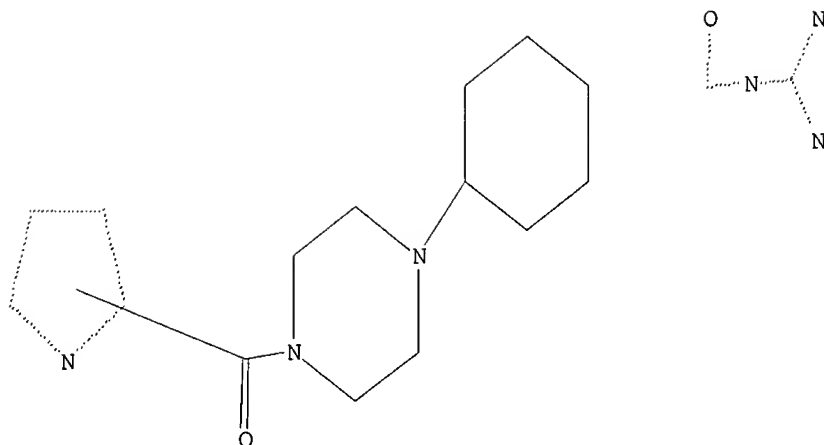
Uploading 10057597.str

L7 STRUCTURE UPLOADED

=> d l7

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17 sss sam

SAMPLE SEARCH INITIATED 18:22:34 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 1 TO 80

L8 1 SEA SSS SAM L7

=> s 17 sss full

FULL SEARCH INITIATED 18:22:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 44 TO ITERATE

100.0% PROCESSED 44 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L9 4 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

140.28 425.73

FILE 'CAPLUS' ENTERED AT 18:22:52 ON 20 MAY 2002

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FILE COVERS 1907 - 20 May 2002 VOL 136 ISS 21  
FILE LAST UPDATED: 19 May 2002 (20020519/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l9 1-4 ibib abs hitstr

MISSING OPERATOR L9 1-4

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l9

L10 2 L9

=> d l10 1-2 ibib abs hitstr

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:188373 CAPLUS

DOCUMENT NUMBER: 132:222552

TITLE: Preparation of acylpiperazinylbenzoylguanidines as inhibitors of the sodium-proton antiporter.

INVENTOR(S): Eickmeier, Christian; Buerger, Erich; Blech, Stefan; Roos, Otto

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany

SOURCE: Ger. Offen., 14 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

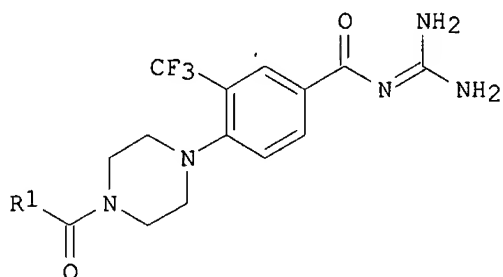
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

09/396704

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19843489	A1	20000323	DE 1998-19843489	19980922
US 6323207	B1	20011127	US 1999-396704	19990915
WO 2000017176	A2	20000330	WO 1999-EP6857	19990916
WO 2000017176	A3	20011011		
W:	AU, BG, BR, CA, CN, CZ, EE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
AU 9964659	A1	20000410	AU 1999-64659	19990916
EP 1165534	A2	20020102	EP 1999-952453	19990916
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
NO 2001001428	A	20010321	NO 2001-1428	20010321
PRIORITY APPLN. INFO.:			DE 1998-19843489 A	19980922
			US 1998-109386P P	19981123
			WO 1999-EP6857 W	19990916
OTHER SOURCE(S):	MARPAT 132:222552			
GI				



I

AB Title compds. [I; R1 = alkyl, (substituted) heteroaryl, aryl, alkylaryl], were prepd. Thus, I (R1 = 3-F3CC6H4) (prepd. by treatment of the corresponding Me benzoate with a mixt. from guanidine hydrochloride and NaH) inhibited the Na<sup>+</sup>/H<sup>+</sup> exchanger with IC50 = 0.023 .times. 10<sup>-6</sup> M.

IT **261505-81-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of acylpiperazinylbenzoylguanidines as inhibitors of the sodium-proton antiporter)

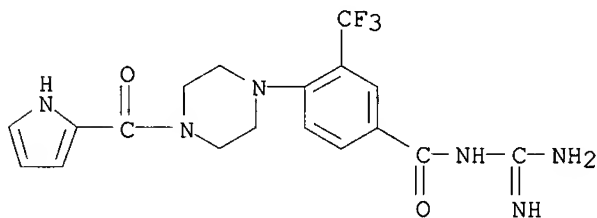
RN 261505-81-1 CAPLUS

CN Benzamide, N-(aminoiminomethyl)-4-[4-(1H-pyrrol-2-ylcarbonyl)-1-piperazinyl]-3-(trifluoromethyl)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 261505-80-0

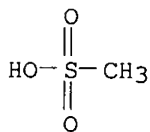
CMF C18 H19 F3 N6 O2



CM 2

CRN 75-75-2

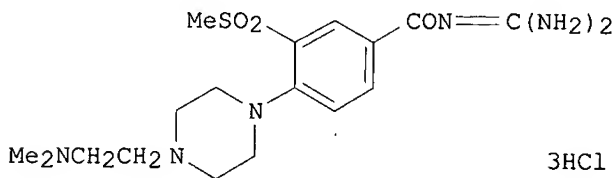
CMF C H4 O3 S



DOCUMENT NUMBER: 127:149157  
 TITLE: Preparation of benzoylguanidines as cell proliferation inhibitors  
 INVENTOR(S): Buerger, Erich; Eickmeier, Christian; Roos, Otto  
 PATENT ASSIGNEE(S): Boehringer Ingelheim Kg, Germany  
 SOURCE: Ger. Offen., 15 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19601303	A1	19970717	DE 1996-19601303	19960116
ZA 9700277	A	19970716	ZA 1997-277	19970114
TW 426673	B	20010321	TW 1997-86100385	19970115
CA 2240075	AA	19970724	CA 1997-2240075	19970116
WO 9726253	A1	19970724	WO 1997-EP177	19970116
W: AU, BG, BR, BY, CA, CN, CZ, EE, HU, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9714429	A1	19970811	AU 1997-14429	19970116
AU 722619	B2	20000810		
EP 882031	A1	19981209	EP 1997-901043	19970116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1208409	A	19990217	CN 1997-191727	19970116
CN 1072663	B	20011010		
BR 9707002	A	19990720	BR 1997-7002	19970116
JP 2000503309	T2	20000321	JP 1997-525687	19970116
NO 9803261	A	19980715	NO 1998-3261	19980715
US 6114335	A	20000905	US 1998-101792	19980925
PRIORITY APPLN. INFO.: DE 1996-19601303 A 19960116				
WO 1997-EP177 W 19970116				

OTHER SOURCE(S): MARPAT 127:149157  
 GI



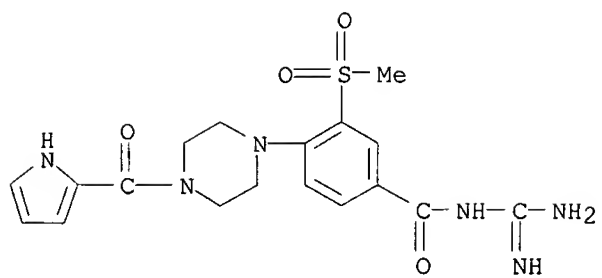
I

AB RCONHC(:NH)NH<sub>2</sub> [R = substituted Ph] were prepd. fo use as inhibitors of cell proliferation. Thus, the guanidine I was obtained by treating the acid with guanidine hydrochloride. I had an IC<sub>50</sub> for inhibition of the Na<sup>+</sup>/H<sup>+</sup> exchanger of 0.500 mM.

IT **193401-12-6P**  
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of benzoylguanidines as cell proliferation inhibitors)

RN 193401-12-6 CAPLUS

CN Benzamide, N-(aminoiminomethyl)-3-(methylsulfonyl)-4-[4-(1H-pyrrol-2-ylcarbonyl)-1-piperazinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

=>

=> file caold  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.97	435.70

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.24	-1.24

CA SUBSCRIBER PRICE

FILE 'CAOLD' ENTERED AT 18:24:33 ON 20 MAY 2002  
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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

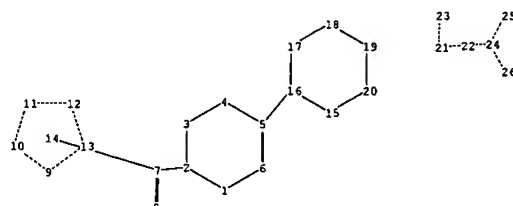
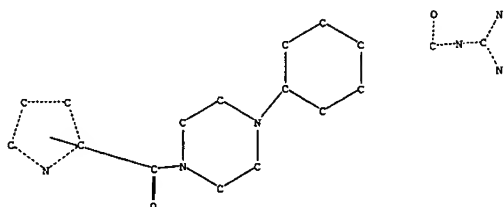
This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 19

L11

0 L9



chain nodes :

7 8 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6 9 10 11 12 13 15 16 17 18 19 20

chain bonds :

2-7 5-16 7-8 21-22 21-23 22-24 24-25 24-26

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13 15-16  
15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-16 7-8 9-10 9-13 10-11 11-12  
12-13 15-16 15-20 16-17 17-18 18-19 19-20 21-22 21-23 22-24  
24-25 24-26

isolated ring systems :

containing 15 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom  
10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:Atom 16:Atom 17:Atom  
18:Atom 19:Atom 20:Atom 21:CLASS 22:CLASS 23:CLASS 24:CLASS  
25:CLASS 26:CLASS